ALABAMA DEPARTMENT OF TRANSPORTATION

Bureau of County Transportation
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Bob Riley
Governor

Joe McInnes
Transportation Director

June 17, 2010

MEMORANDUM 2010-11

To: County Engineers

Cc: Division County Transportation Engineers

From: _____
D.E. (Ed) Phillips, Jr., P.E., State County Transportation Engineer

RE: FY 2010 High Risk Rural Roads program
Project Application Procedures

Please find attached the Project Application procedures for the FY 2010 High Risk Rural Roads Program. The latest continuing resolution for the national transportation funding legislation provided funding for the High Risk Rural Roads Program at the same level of funding as previous years (i.e., $2,000,000.00). Therefore, please review the procedures, making special note of the key dates contained herein.

If you have questions or comments concerning this policy, please do not hesitate to contact me.

DEP/dep

Cc: Mr. Joe McInnes, Transportation Director
Mr. Don Vaughn, P.E., Chief Engineer/Deputy Director
Mr. Don Arkle, P.E., Assistant Chief Engineer, Policy and Planning
Mr. Brad Lindsey, P.E., PS&E Engineer, County Transportation Bureau
File

FY 2010
High Risk Rural Roads Program
Project Application Procedures

Project applications will be accepted for three distinct project types: (1) Regular HRRRP Projects, (2) Unshielded Bridge Ends, and (3) Sign Upgrades. The three project types are described herein.

Project applications for the FY 2010 funding year will be accepted by the ALDOT Division County Transportation Engineer immediately.

No project applications stamped in by the ALDOT Division County Transportation Engineer after September 1, 2010 will be considered and will be returned to the applicant.

Each ALDOT Division County Transportation Engineer is to review applications within their Division to ensure they meet eligibility requirements before forwarding to the ALDOT County Transportation Bureau.

The HRRRP Project Selection Committee will consist of a representative from the ALDOT Transportation Planning & Modal Programs Bureau, the ALDOT County Transportation Bureau, and the Alabama Division of the FHWA.

The HRRRP Project Selection Committee will review project applications to confirm that the project meets the eligibility requirements. Any applications not meeting the eligibility requirements will be returned. Any application containing incomplete information will be returned. If additional information or clarification is found to be necessary by the HRRRP Selection Committee the applicant will be notified.

The HRRRP Selection Committee will select projects to receive funding by October 1, 2010. All applicants will be notified concerning the final status of their applications as soon as practical following project selections for funding. Those applicants whose application was selected for funding will be advised to proceed with plans preparation.

For Regular HRRRP Projects, a "soft" maximum of $100,000.00 in Federal-Aid per selected project will be allowed. HRRRP is a 90% Federal/10% Local split. Federal-Aid funding will be in the amount of 90% of the bid price. Any contract overruns will be the responsibility of the County.

For Unshielded Bridge End Projects, no maximum Federal-Aid funding per selected project will be established. However, a 10% Local match will still be required. Any contract overruns will be the responsibility of the County.

For Sign Upgrade Projects, a maximum of $20,000.00 in Federal-Aid per selected county will be allowed. Any contract overruns will be the responsibility of the County.

After an application is approved, neither the scope of work or limits of work can be changed without approval of the HRRRP Project Selection Committee.

High Risk Rural Roads Program
Project Selection Criteria

A. Regular HRRRP Projects

1a. For roadway projects, the entire length of the Segment (of which the project area is a part) must have experienced 6 or more crashes involving a Class "A" Injury or Fatality.

1b. For intersection projects, the Node (of which the project area is a part) must have experienced 6 or more crashes involving a Class "A" Injury or Fatality.

2. Projects with a higher total number of Class "A" Injuries and Fatalities than other projects shall generally be ranked above those projects with lower totals.

3. Preference will be given to projects with a higher number of Fatalities over those with high Class "A" Injuries.

4. The Selection Committee shall also consider project costs when comparing projects with similar numbers of Fatalities and Class "A" Injuries.

5 The application should include at a minimum:

5(a). Transmittal letter describing:
Project location
Proposed project improvements
How project is expected to reduce crashes

5(b). Detailed location map showing project limits and total project length.

5(c). Link/Node map covering project location.

5(d). Most recent three calendar years crash history data (provided by the Alabama Department of Transportation or as generated by CARE).

6(e). Traffic counts including method of collection.

6(f). Project location crash rate calculation.

NOTE: A Segment is defined as the length of roadway between and connecting two adjacent Nodes.

When calculating crash rates for roadway projects, the entire length of the Segment (of which the project area is a part) must be used. The crash history data is based on the entire length of the Segment; and therefore, the entire length of the Segment must be used in the calculations. This will also eliminate the possibility of manipulating the project crash rates by selecting excessively short project lengths thereby skewing the vehicle miles used in the calculation.

It should be noted that the actual project limits may cover an area less than the entire Segment. However, the proposed

improvements should address the areas and the conditions contributing to the high rate of Fatalities and Class "A" Injuries.

The project crash rate is to be calculated utilizing the combined number of crashes involving Fatalities and/or Class "A" Injuries contained in the crash history data, the AADT for the Segment, and the Segment length.

EXAMPLE:

Crash Rate = [(Number)/(AADT)(Length in miles)(3 yr)(365 days)](1,000,000)

The crash rate should be expressed as number per million vehicle miles.

When calculating crash rates for intersection projects, the project crash rate is to be calculated utilizing the combined number of crashes involving Fatalities and/or Class "A" Injuries contained in the crash history data and the AADT for the Node.

EXAMPLE:

Crash Rate = [(Number)/(AADT)(3 yr)(365 days)](1,000,000)

The crash rate should be expressed as number per million vehicles.

6(g). Color photographs of significant project details.

6(h). Detailed project cost estimate including pay items and estimated unit costs.

B. Unshielded Bridge End Projects

1. Bridge structures, including culverts that currently do not have bridge rail and/or end treatments will be eligible.

2. The application should include at a minimum:

2(a). Transmittal letter describing:
Project location(s)
Proposed project improvements

How project is expected to reduce crashes

2(b). Detailed location map showing project location(s).

2(c). Link/Node map showing project location(s).

2(d). Roadway classification

2(e). Bridge Sufficiency Rating.

2(f). Traffic counts including method of collection.

3. Color photographs of all four bridge ends.

4. Detailed project cost estimate including pay items and estimated unit costs.

C. Sign Upgrade Projects

1. Only material costs for "red" regulatory signs and warning signs will be considered. All signs selected for funding shall meet the current retroreflectivity standards. No other material costs (posts, etc.), or other costs (installation, etc.) will be allowed.

2. The application should include at a minimum:

2(a). Transmittal letter describing:
Project location(s)
Proposed project improvements
How project is expected to reduce crashes

2(b). Detailed location map showing project location(s).

2(c). Link/Node map showing project location(s).

3. Detailed project cost estimate including pay items and estimated unit costs.

APPENDIX

APPLICATION FORM

Date

Name
Division County Transportation Engineer
Alabama Department of Transportation
Address

Re: Regular HRRRP Project Application
Project
County

Dear ***Name***;

Please find below our application for High Risk Rural Roads Program funding for the current fiscal year. This application meets the eligibility requirements as specified in the latest edition of the HRRRP Procedures and Project Selection Criteria.

The Project location is ***INSERT TEXT***.

The Proposed project improvements include ***INSERT TEXT***.

The project is expected to reduce crashes by ***INSERT TEXT***.

Please feel free to contact this office should you have any questions or comments concerning this request.

COMBINED NUMBER OF CLASS "A" INJURIES AND FATALITIES:	***INSERT TEXT***	
NUMBER OF CRASHES WITH CLASS "A" INJURIES OR FATALITIES GREATER THAN OR EQUAL TO "6"?	YES	NO
DETAILED LOCATION MAP SHOWING PROJECT LIMITS AND TOTAL PROJECT LENGTH ATTACHED:	YES	NO
LINK/NODE MAP COVERING PROJECT LOCATION ATTACHED:	YES	NO

MOST RECENT THREE CALENDAR YEARS CRASH HISTORY DATA ATTACHED:	YES	NO
TRAFFIC COUNTS INCLUDING METHOD OF COLLECTION ATTACHED:	YES	NO
PROJECT LOCATION CRASH RATE CALCULATION ATTACHED:	YES	NO
COLOR PHOTOGRAPHS:	YES	NO
DETAILED PROJECT COST ESTIMATE INCLUDING PAY ITEMS AND ESTIMATED UNIT COSTS ATTACHED:	YES	NO

SUBMITTED: _____ **DATE:** _____
COUNTY ENGINEER

RECOMMENDED: _____ **DATE:** _____
Division County
Transportation Engineer

APPROVED: _____ **DATE:** _____
D.E. (Ed) Phillips, Jr., P.E.
State County Transportation Engineer

CONCURRENCE_____ **DATE:** _____
Linda Law Guin, P.E.
Safety & Technology Engineer,
FHWA, Alabama Division

Date

Name
Division County Transportation Engineer
Alabama Department of Transportation
Address

Re: Unshielded Bridge Ends Project Application
Project
County

Dear ***Name***;

Please find below our application for High Risk Rural Roads Program funding for the current fiscal year. This application meets the eligibility requirements as specified in the latest edition of the HRRRP Procedures and Project Selection Criteria.

The Project location is ***INSERT TEXT***.

The Proposed project improvements include ***INSERT TEXT***.

The project is expected to reduce crashes by ***INSERT TEXT***.

Please feel free to contact this office should you have any questions or comments concerning this request.

DETAILED LOCATION MAP ATTACHED:	YES	NO
LINK/NODE MAP SHOWING PROJECT LOCATION ATTACHED:	YES	NO
ROADWAY CLASSIFICATION:	YES	NO
BRIDGE SUFFICIENCY RATING:	YES	NO
TRAFFIC COUNTS INCLUDING METHOD OF COLLECTION ATTACHED:	YES	NO
COLOR PHOTOGRAPHS FOR ALL FOUR BRIDGE ENDS:	YES	NO

DETAILED PROJECT COST ESTIMATE
INCLUDING PAY ITEMS AND ESTIMATED
UNIT COSTS ATTACHED: YES NO

SUBMITTED: _____ **DATE:** _____
COUNTY ENGINEER

RECOMMENDED: _____ **DATE:** _____
Division County
Transportation Engineer

APPROVED: _____ **DATE:** _____
D.E. (Ed) Phillips, Jr., P.E.
State County Transportation Engineer

CONCURRENCE_____ **DATE:** _____
Linda Law Guin, P.E.
Safety & Technology Engineer,
FHWA, Alabama Division

Date

Name
Division County Transportation Engineer
Alabama Department of Transportation
Address

Re: Sign Upgrade Project Application
Project
County

Dear ***Name***;

Please find below our application for High Risk Rural Roads Program funding for the current fiscal year. This application meets the eligibility requirements as specified in the latest edition of the HRRRP Procedures and Project Selection Criteria.

The Project location is ***INSERT TEXT***.

The Proposed project improvements include ***INSERT TEXT***.

The project is expected to reduce crashes by ***INSERT TEXT***.

Please feel free to contact this office should you have any questions or comments concerning this request.

DETAILED LOCATION MAP ATTACHED:	YES	NO
LINK/NODE MAP SHOWING PROJECT LOCATION ATTACHED:	YES	NO
DETAILED PROJECT COST ESTIMATE INCLUDING PAY ITEMS AND ESTIMATED UNIT COSTS ATTACHED:	YES	NO

SUBMITTED: _____ **DATE:** _____
COUNTY ENGINEER

RECOMMENDED: _____ **DATE:** _____
Division County
Transportation Engineer

APPROVED: _____ **DATE:** _____
D.E. (Ed) Phillips, Jr., P.E.
State County Transportation Engineer

CONCURRENCE_____ **DATE:** _____
Linda Law Guin, P.E.
Safety & Technology Engineer,
FHWA, Alabama Division

Location	Total	Fatal	Injury	PDO	# Killed	# Injured	County	City	Route	Node 1	Node 2
Segment: Between NO DESCRIPTION AVAILABLE at NO DESCRIP	6	1	5	0	1	10	Autauga	Autaug Rur	1098	7274	7388
Total # for Autauga County	**6**	**1**	**5**	**0**	**1**	**10**					
Location	**Total**	**Fatal**	**Injury**	**PDO**	**# Killed**	**# Injured**	**County**	**City**	**Route**	**Node 1**	**Node 2**
Segment: Between NO DESCRIPTION AVAILABLE at NO DESCRIP	6	0	6	0	0	9	Calhoun	Calhou Rur	1065	8841	8842
Total # for Calhoun County	**6**	**0**	**6**	**0**	**0**	**9**					
Location	**Total**	**Fatal**	**Injury**	**PDO**	**# Killed**	**# Injured**	**County**	**City**	**Route**	**Node 1**	**Node 2**
Segment: Between NO DESCRIPTION AVAILABLE at NO DESCRIP	7	1	6	0	1	10	Cleburne	Clebur Rur	1065	7669	7673
Total # for Cleburne County	**7**	**1**	**6**	**0**	**1**	**10**					
Location	**Total**	**Fatal**	**Injury**	**PDO**	**# Killed**	**# Injured**	**County**	**City**	**Route**	**Node 1**	**Node 2**
Segment: Between NO DESCRIPTION AVAILABLE at NO DESCRIP	6	0	6	0	0	9	Cullman	Cullma Rur	1325	7542	7543
Total # for Cullman County	**6**	**0**	**6**	**0**	**0**	**9**					
Location	**Total**	**Fatal**	**Injury**	**PDO**	**# Killed**	**# Injured**	**County**	**City**	**Route**	**Node 1**	**Node 2**
Intersection: PINE GROVE RD at WALL-TRIANA HWY	8	1	7	0	1	12	Madison	Madiso Rur	1005	8110	38820
Intersection: OLD RAILROAD BED RD at TONEY RD	6	0	6	0	0	11	Madison	Madiso Rur	1011	7451	0
Intersection: MCKEE RD at OLD RAILROAD BED RD	6	1	5	0	1	7	Madison	Madiso Rur	1011	7461	0
Total # for Madison County	**20**	**2**	**18**	**0**	**2**	**30**					
Location	**Total**	**Fatal**	**Injury**	**PDO**	**# Killed**	**# Injured**	**County**	**City**	**Route**	**Node 1**	**Node 2**
Intersection: NO DESCRIPTION AVAILABLE at NO DESCRIPTION A	9	1	8	0	1	20	Marshall	Marsha Rur	1414	7556	0
Segment: Between NO DESCRIPTION AVAILABLE at NO DESCRIP	7	0	7	0	0	7	Marshall	Marsha Rur	1582	8447	8456
Total # for Marshall County	**16**	**1**	**15**	**0**	**1**	**27**					
Location	**Total**	**Fatal**	**Injury**	**PDO**	**# Killed**	**# Injured**	**County**	**City**	**Route**	**Node 1**	**Node 2**
Segment: Between AIRPORT BLVD CO 56 at DYKES RD and AIRP	8	0	8	0	0	14	Mobile	Mobile Rur	1346	8470	12285
Segment: Between BUSBY RD CO 437 at NEWMAN RD and AIRP	7	0	7	0	0	10	Mobile	Mobile Rur	1343	8450	8456
Segment: Between JACKSON ST at MT VERNON CITY LIMITS and	6	0	6	0	0	9	Mobile	Mobile Rur	5568	23	12533
Intersection: AIRPORT BLVD CO 56 at DAWES RD	6	0	6	0	0	9	Mobile	Mobile Rur	1346	8352	0
Intersection: NO DESCRIPTION AVAILABLE at NO DESCRIPTION A	6	0	6	0	0	11	Mobile	Mobile Rur	8860	15961	0
Intersection: INTERSTATE 10 at THEODORE-DAWES RD	6	1	5	0	3	12	Mobile	Mobile Rur	5031	10966	0
Segment: Between NAN G. DAVIS RD at THEODORE-DAWES RD	6	0	6	0	0	10	Mobile	Mobile Rur	5031	7744	10987
Total # for Mobile County	**45**	**1**	**44**	**0**	**3**	**75**					
Location	**Total**	**Fatal**	**Injury**	**PDO**	**# Killed**	**# Injured**	**County**	**City**	**Route**	**Node 1**	**Node 2**
Segment: Between NO DESCRIPTION AVAILABLE at NO DESCRIP	7	0	7	0	0	9	Morgan	Morgan Rur	1553	8080	8082
Segment: Between NO DESCRIPTION AVAILABLE at NO DESCRIP	6	0	6	0	0	6	Morgan	Morgan Rur	1004	7702	7775
Total # for Morgan County	**13**	**0**	**13**	**0**	**0**	**15**					
Location	**Total**	**Fatal**	**Injury**	**PDO**	**# Killed**	**# Injured**	**County**	**City**	**Route**	**Node 1**	**Node 2**
Intersection: NO DESCRIPTION AVAILABLE at NO DESCRIPTION A	14	1	13	0	1	26	Russell	Russell Rur	1430	7684	0
Total # for Russell County	**14**	**1**	**13**	**0**	**1**	**26**					
Location	**Total**	**Fatal**	**Injury**	**PDO**	**# Killed**	**# Injured**	**County**	**City**	**Route**	**Node 1**	**Node 2**
Segment: Between NO DESCRIPTION AVAILABLE at NO DESCRIP	6	0	6	0	0	10	Winston	Winsto Rur	1314	7410	7411
Total # for Winston County	**6**	**0**	**6**	**0**	**0**	**10**					